

CLAIMS

1. A substrate treating apparatus comprising:

a treating tool for carrying out the treatment such as cleaning for the surface of a substrate while keeping a prescribed pressure for the substrate;

an operating shaft with the treating tool attached thereto;

a bracket for supporting the operating shaft;

an attaching frame for swingably supporting the bracket;

a hoisting/lowering device for hoisting/lowering the attaching frame;

a holding member for holding the operating shaft freely only in a rotating direction; and

a servomotor coupled to the holding member, for applying torque to the operating shaft, so that a contact pressure

between the treating tool and the substrate are adjusted using

the torque of the servo motor, wherein

the operating shaft is attached to the bracket so as to be movable up and down integrally to the treating tool.

2. The substrate treating apparatus according to claim 1, wherein

the servo motor applies the torque corresponding to difference between the weight of the treating tool inclusive of the operating shaft and a prescribed contact pressure or

weight to the operating shaft.

3. The substrate treating apparatus according to claim 1 or 2, further comprising:

a holding member for holding the operating shaft freely only in a rotating direction; and

a servomotor coupled to the holding member, for applying torque to the operating shaft, wherein

the operating shaft is coupled with the rotary motor through a pin joint so that the weight of the rotary motor is not applied to the operating shaft.